



# State of Utah

## DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF WATER QUALITY

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January 2, 1997

Ms. Elaine J. Dorward-King, Ph.D.  
Director, Environmental Affairs  
Kennecott Utah Copper  
8315 West 3645 South  
Magna UT 84044-6001

Dear Ms. Dorward-King:

Subject: Clarification of Approved Version of Appendix B for Operational Monitoring Plan;  
Kennecott Tailings Impoundment; Ground Water Discharge Permit No. UGW350011

The Operational Monitoring Plan (Appendix B) for the Tailings Impoundment was approved in my September 16, 1996 letter. Kennecott submitted a slightly revised version of Appendix B including a new sampling point for Waste Water Treatment Plant inflows and removing barium from the list of analytes for Total Metals and SPLP analysis. The inclusion of the additional sampling point was in accordance with my letter of August 18, 1996. The removal of barium from the list of analytes was due to the high sulfate values that are commonly present in Kennecott's discharges from the Tailings Impoundment. The high sulfate values cause barium to precipitate out as barium sulfate causing QA/QC problems via incomplete recovery of barium spikes.

The changes included in the September 24, 1996 version of Appendix B are approved and this version of the Operational Monitoring Plan is the approved version that is now in force. If you have any questions concerning this matter, please contact John Whitehead.

Sincerely,

Utah Water Quality Board

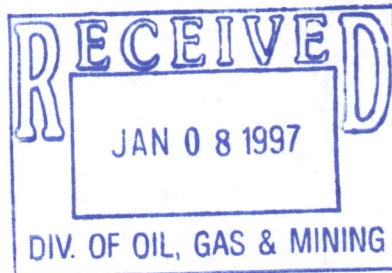
Don A. Ostler, P.E.  
Executive Secretary

DAO:JW:jw/mhf

cc: Terry Sadler, Salt Lake County Health  
Wayne Hedberg, DOGM

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FILE:KENNOCOTT TAILINGS IMPOUNDMENT



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